	Application No.	Applicant(s)
Notice of Allowability	10/759,250	MAEKAWA ET AL.
	Examiner	Art Unit
	Dharti H. Patel	2836
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.		
1. X This communication is responsive to <u>an amendment filed on 03/01/2006</u> .		
2. X The allowed claim(s) is/are <u>2-6</u> .		
 3.		
3. Copies of the certified copies of the priority documents have been received in this national stage application from the		
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.		
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.		
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached		
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date		
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).		
 DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL. 		
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Attachment(s)		D (DTO 450)
1. Notice of References Cited (PTO-892)		Patent Application (PTO-152)
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary Paper No./Mail Da	
3. M Information Disclosure Statements (PTO-1449 or PTO/SB/0		
Paper No./Mail Date 03/23/06, 01/20/04 4. Examiner's Comment Regarding Requirement for Deposit	8. 🛭 Examiner's Statem	ent of Reasons for Allowance
of Biological Material	9. Other	

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The following is an examiner's statement of reasons for indicating allowance of claim 3: The prior art teaches a fuel injection valve that has at least two coils and a control unit, but does not disclose that the control unit outputs a connection changeover signal for connecting said plurality of coils in parallel to set the resultant inductances thereof to small values and for changing said plurality of coils to a series connection to obtain large resultant inductance values. This feature in combination with the rest of the claim limitations is not anticipated or rendered obvious by the prior art of record.

The following is an examiner's statement of reasons for indicating allowance of claim 6: The prior art teaches a direct-current power supply, a power supply voltage detection means, a fuel injection valve with at least two coils, a control unit for controlling the fuel injection valve, and detecting that a voltage detected by said power supply voltage detection means has decreased to a value that has been beforehand, but does not disclose the control method that comprises the steps of creating a connection changeover signal of at least said two coils in response to said detection, changing the connection of the coils to reduce the resultant inductance thereof, and conducting control so that the time-varying characteristics of total magnetomotive force are approximately maintained at the characteristics existing before the power supply voltage decreased. This feature in combination with the rest of the claim limitations is not anticipated or rendered obvious by the prior art of record.

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dharti H. Patel whose telephone number is 571-272-8659. The examiner can normally be reached on 8:30am - 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Sircus can be reached on 571-272-2800, Ext. 36. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

DHP 03/30/2006

> BRIAN SIRCUS SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2800